

ABSTRACT OF THE DISCLOSURE

[0054] A method for making biodiesel from a vegetable oil source is described. The method involves simultaneously reacting the free fatty acids and glycerides of the vegetable oil source with methanol, under pressure up to 250 psig, into fatty acid alkyl esters for use as biodiesel. The conversion is catalyzed by an acid at temperatures between about 80°C to about 200°C.